



the **ILLINOIS ENGINEER**

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CHICAGO



Illinois Governor William G. Stratton discusses the Engineers' Week Proclamation with I.S.P.E. President Frank Edwards (seated) and Larry Goddard, Executive Director, I.S.P.E. Governor Stratton signed the Proclamation January 15th (see Pages 4 and 5).

THE ILLINOIS ENGINEER
FEBRUARY, 1959,
VOLUME XXXV, NO. 2



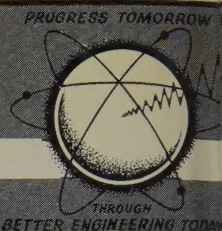
74TH ANNUAL CONVENTION
APRIL 30, MAY 1 and 2
ROCKFORD — FAUST HOTEL



THE ILLINOIS ENGINEER

ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS, Incorporated

Affiliated with the National Society of Professional Engineers



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Employment Practices—Leo Koberlein
Ethics and Practice—Leonard Crawford
Fees and Salaries—Dwain M. Wallace
Legislation—Robert H. Renwick
Young Engineers—James E. Scott

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JOHN G. DUBA
ELLIS DANNER

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Resolutions—Roy W. Kastner

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Constitution & By-Laws—R. Dean Collins
Functional Sections—None
Membership—Harold F. Sommerschield

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U.S.G.S. Mapping

Max Suter, Chairman

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ELECTION TELLER COMMITTEE REPORT

The Election Teller Committee met at 7:30 p.m., January 5, 1959, and the results of the election are as follows:

| | |
|---|-----|
| Total ballots returned | 673 |
| Number of uncertified ballots..... | 20 |
| Number of blank ballots returned..... | 2 |
| Number of certified ballots counted (including 2 unmarked ballots)..... | 653 |

FOR PRESIDENT:

| | |
|------------------------|-----|
| Donald S. Magowan..... | 634 |
| Scattered | 5 |

FOR VICE PRESIDENT:

| | |
|------------------------|-----|
| LeVerne D. Hudson..... | 634 |
| Scattered | 3 |

FOR SECRETARY-TREASURER:

| | |
|-----------------------|-----|
| John E. Housiaux..... | 627 |
| Scattered | 3 |

FOR NATIONAL DIRECTORS:

| | |
|------------------------|-----|
| Melvin E. Amstutz..... | 622 |
| Cecil J. McLean..... | 634 |
| William S. Gray..... | 620 |
| Scattered | 8 |

FOR ALTERNATE NATIONAL DIRECTOR:

| | |
|--------------------------|-----|
| Clifford E. Missman..... | 623 |
| Scattered | 3 |

FOR CHAIRMAN OF THE REPRESENTATIVES TO THE ILLINOIS ENGINEERING COUNCIL:

| | |
|-----------------------|-----|
| Dwain M. Wallace..... | 624 |
| Scattered | 2 |

ADOPTION OF PROPOSED CONSTITUTION AND BY-LAWS:

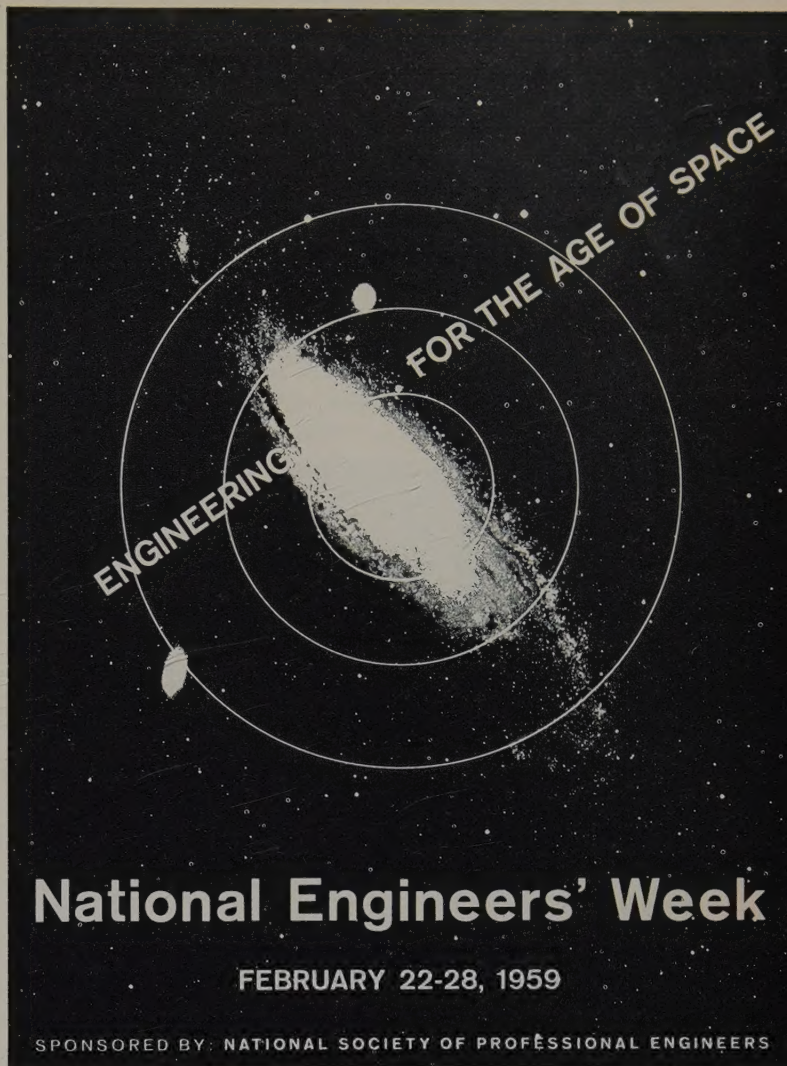
| | |
|---------------|-----|
| For | 550 |
| Against | 55 |
| No Vote | 48 |

The Election Teller Committee wishes to express their sincere thanks to Mr. Larry Goddard, Mrs. Mary Watt, and Mr. J. P. Murphy for their able assistance January 5th, from 7:30 p.m. into the wee hours of the following morning.

Election Teller Committee members present were Messrs. C. A. Nelson, H. P. Frazee, and H. L. Brantley; C. L. Richie (Capital Chapter) and J. R. Carroll (Champaign County Chapter) were unable to be present.

Very truly yours,

THE ELECTION TELLER COMMITTEE
H. L. Brantley, Chairman



ENGINEERING FOR THE AGE OF SPACE

National Engineers' Week

FEBRUARY 22-28, 1959

SPONSORED BY: NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

EDITORIAL

THE ILLINOIS LEGISLATURE will be confronted with recommendations relative to higher education in Illinois. Southern Illinois University will attempt to get legislative action to relax present prohibitions against their conferring engineering degrees. A commission on higher education has made recommendations adverse to the desires of S.I.U. The matter should be of sufficient interest to professional engineers in the State of Illinois that the pros and cons of the subject should be completely reviewed. The ILLINOIS ENGINEER plans to devote the major portion of the April Issue to reports on the subject of engineering education in Illinois. It is hoped that letters of statement from the University of Illinois and Southern Illinois University will be made available for publication, and various other commission and legislative committee reports, to give all sides of the particular question. Any Members of I.S.P.E. who have strong feelings about the subject are invited to submit letters before March 10th in order that various viewpoints may be printed in this SPECIAL EDUCATION ISSUE.

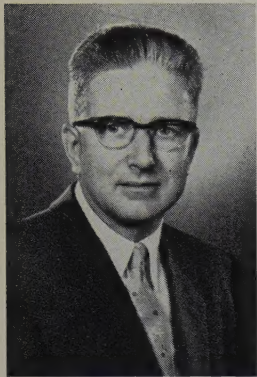
PRESIDENT'S MESSAGE

By FRANK W. EDWARDS

PROFESSIONAL CHARACTERISTICS

Better Understanding Needed

The designation "engineer" has different meaning to different people. The layman may think of the person who operates a locomotive or a stationary engine,



Frank W. Edwards

or performs the maintenance service for a building and its equipment. The college student may think of the graduate who has received his engineering degree. Some graduates consider an engineer one who uses technical training only for making surveys and drawings or constructing buildings and bridges. Even to the better informed person the term "engineer" often means a person engaged in work requiring special skills regardless of the level of performance and knowledge required.

Probably this confusion was the principal reason for adoption by the N.S.P.E. of the title "professional engineer." This terminology seeks to exclude the vocational jobs included in the above descriptions. The problem of general misunderstanding, however, has not been eliminated.

The term "professional" itself has different meaning to different people because there are various types of professionals. For example, in the world of sports we find the professional boxer, the professional football player, and the golf professional. In the military field we have the professional soldier. You can name numerous others. If we are to assist the public to understand better our profession, we need a clearer picture of its characteristics ourselves. Some of these characteristics are reviewed below.

Mutual Characteristics

Professions such as engineering and medicine have numerous characteristics in common. For example, each has:

- a. Formal educational process
- b. Legal status
- c. Organized professional societies
- d. Ethical standards of conduct

Professional Distinction

The formal process for engineering education includes college courses in physical science, social science, engineering science, engineering applications and general subjects. Engineering, like the other learned professions, draws its knowledge from a vast reservoir where records of accomplishments of engineers and sci-

entists throughout history are stored. Men and women in the engineering and scientific fields have recorded their discoveries, their successes, even their failures and their ideas so that these can be shared by their colleagues and by posterity. This willingness to share knowledge is one of the distinguishing marks of a professional man.

Legal Status Insufficient

Registration under the laws of the state gives legal status to the term "professional engineer". Generally a graduate must have at least four additional years of qualifying experience before he is eligible to apply for registration. Individuals possessing certificates of registration have special privileges before the law which are denied to others. The reason for denial, of course, is to protect the public from incompetent operators. Often the layman has no basis for judging qualifications of people who offer professional services. Legal registration guarantees that the recipient of a license certificate has met at least the minimum qualifications for performing such service. This fact places a grave responsibility on the profession, as only its collective membership is qualified to police effectively the activities of individual members. It is the profession itself which must in the final analysis place its stamp of approval on the trustworthiness of its practitioners. For this reason education and legal status alone are insufficient.

Obligations Recognized

The obligations of a profession to protect the public can be fulfilled only through professional societies dedicated to advancement of the profession. Unlike medicine and law, engineering has no single organization or society which clearly and unmistakably represents the profession. This seems strange when it is recalled the engineering method for solution of problems requires logical organization of facts and impartial application

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basic and derived scientific principles in order to reach sound decisions.

Undoubtedly this lack of effective organization within the profession accounts in a large measure for the fact that many engineers are neither participants in professional and technical activities nor members of pertinent engineering societies attempting to raise professional standards. Each of us has obligations to our profession which can be fulfilled only through organized effort. It is heartening to find in Illinois that more and more engineers are recognizing these obligations and are willing to join forces with their colleagues to improve conditions.

Continual Improvement

Members of the profession through the societies have developed personal standards of conduct for guidance in fulfilling their obligations to society. These codes incorporate moral principles and standards of performance which have proven essential to high quality service. Our effort now is directed toward interpretation, clarification, and enforcement of these principles. Improvement of ethical standards for members of the engineering profession is being sought constantly. This is one of the most important activities of ISPE. We should heed the warning of Edmund Burke who said, "the only thing necessary for the triumph of evil is for good men to do nothing." Substitute "unsavory practitioners" for the word "evil" and "engineers" for the word "men" and you have a statement particularly applicable to our profession.

SPECIAL ELECTION TO BE HELD

The new Constitution and Bylaws which were adopted by vote of the Membership and which became effective January 10th provided for the election of two Vice Presidents and a Treasurer. Article 15, Section 3, provided for the nomination of these new candidates.

A special ballot will be mailed to the Membership between February 25th and March 1st in order that the Membership may vote upon these new Officers to be seated at the Annual Convention, along with those Officers previously elected. The Membership will have an opportunity to make additional nominations prior to February 25th. The ballots should be returned so as to reach Society Headquarters prior to noon on Monday, March 16th. Provisions for waiving of the time elements in Bylaw No. 3 will be incorporated into the special ballot.

Those who were nominated for the additional offices are:

Vice Presidents: MANUEL GARCIA
WILLIAM T. HOOPER, JR.
Treasurer: JAMES P. MURPHY

STUDENT ENGINEERS CONTRIBUTE TO UNITED ENGINEERING CENTER

In a brief ceremony on Friday, December 19, the officers of the Student Chapter of the American Society of Civil Engineers presented a check for \$50 to officers of the Central Illinois Section of A.S.C.E. This contribution is made to the fund being raised for the United Engineering Center and is a symbol of the close bonds linking students in engineering and practicing engineers.

The United Engineering Center—to be erected on the United Nations Plaza in New York—will house not only A.S.C.E. but also the headquarters of numerous engineering organizations.



John R. Olds (left), Olney, president, University of Illinois Student Chapter, American Society of Civil Engineers, presents \$50 check to Paul L. Zumwalt (right), Peoria, president, Central Illinois Section, A.S.C.E., for fund to build United Engineering Center at United Nations Plaza, New York. Others in the picture are Byron E. Marks (second from left), Princeton, student chapter vice president; and H. O. Sheer, Springfield, Central Illinois Section vice president. Zumwalt is staff engineer with Caterpillar Tractor Company; Sheer, assistant engineer of maintenance, Illinois State Highway Division.

The building, to be topped by a 20 story tower, will face on the United Nations Building park and will overlook the East River. The total cost of \$10,000,000 is being raised by gifts from industry and from members of the organizations which will be housed.

The Student Chapter of A.S.C.E. at the University of Illinois is led this semester by John R. Olds (Olney), President; Byron A. Marks (Princeton), Vice-President; Richard L. Dix (Urbana), Secretary; and R. Gregory Lockhart (Greenview), Treasurer. Eugene Chesson, Jr., is Faculty Adviser.

Officers of the local section of A.S.C.E. present at this ceremony included: Prof. Ellis Danner (Champaign), Past President; Paul L. Zumwalt (Peoria), President; Prof. C. E. Kesler (Champaign), First Vice-President; H. O. Sheer (Springfield), Second Vice-President; and Prof. W. J. Hall (Champaign), Secretary-Treasurer.

FIRST JETS CLUB SPONSORED BY CENTRAL ILLINOIS CHAPTER

The first JETS organization of Illinois high school students sponsored by the Central Illinois Chapter is composed of 16 enthusiastic future engineers at St. Teresa High School in Decatur. Four other high schools in the area are considering sponsoring additional JETS chapters.



Officers and Advisors of St. Teresa High School JETS Chapter "Pioneering Engineers". Left to right: John Hou-siaux, Stephen Lentz, Paul Devereaux, Rodger Snelson, Robert Lentz, Mark Bowman and Gilbert Henning.

JETS stands for Junior Engineering Training for schools and was started in 1950 in East Lansing with the guidance of Michigan State University. The organization is similar to 4-H and Future Farmers' Clubs and its purpose is to stimulate interest in engineering and science among the high school youth. There are over 365 chapters in 35 states, one territory and two foreign countries. A bi-weekly Jets-O-Gram keeps members posted of club activities and scientific reviews. Projects of the members are entered each year in contests and engineering equipment is given as prizes.

The students at St. Teresa organized their chapter with the help of Mother Alice and the guidance of Rodger Snelson, who is an engineer with the A. E. Staley Manufacturing Company. The students chose the name "Pioneering Engineers" for their club and meet every second and fourth Monday.

The members have started a project of building a rocket model and also a model of the future Lost Bridge planned for Decatur. They are securing aid of Illinois Bell Telephone Company and will study its component parts.

74TH ANNUAL CONVENTION
APRIL 30, MAY 1 and 2
ROCKFORD — FAUST HOTEL



Governor William G. Stratton looking over the Engineers' Week Proclamation, which he signed proclaiming the week of February 22-28 as National Engineers' Week in Illinois.

THE WHITE HOUSE
WASHINGTON

NATIONAL ENGINEERS WEEK

The observance of National Engineers Week provides an opportunity to recognize the vital work our engineers perform in maintaining American superiority in technology. I am heartened by the sense of urgency and public responsibility displayed by American scientists and engineers, and by their determination to be of service to the Nation.

The priority given by engineers and scientists to education is a strong example to us all. Their efforts to alert young people to the importance of careers in science and engineering help to enlarge the basic resources of American intellectual talent. It is only by education that we can guarantee the future supply of leadership in all fields of endeavor.

Dwight D. Eisenhower

Dr. Clark A. Dunn, P. E., President
National Society of Professional Engineers
2029 K Street, N. W.
Washington 6, D. C.

STATE OF ILLINOIS

EXECUTIVE DEPARTMENT

Proclamation

WHEREAS, The National Society of Professional Engineers has set aside the period of February 22-28, 1959, as National Engineers' Week, and

WHEREAS, The Illinois Society of Professional Engineers are to actively participate in the special events of this set-aside period, and

WHEREAS, This planned celebration and its purpose of bringing to the attention of the public the work being accomplished by members of the engineering profession, seems worthy of official recognition,

NOW, THEREFORE, I, William G. Stratton, Governor of the State of Illinois, do hereby proclaim February 22-28, of the present year, as NATIONAL ENGINEERS' WEEK in Illinois, and request the appropriate observance of the period

In Witness Whereof, I have hereunto set my hand and caused the Great Seal of the State of Illinois to be affixed.



BY THE GOVERNOR

Done at the Capitol, in the City of Springfield,
this 15th day of January, in the
Year of Our Lord one thousand nine hundred
and Fifty-nine, and of the State of
Illinois the one hundred and Forty-first

William G. Stratton

GOVERNOR

Charles F. Carpenter

SECRETARY OF STATE

DIRECTOR BINKS HANDLES "MAN-SIZED" JOB



The I.S.P.E. Committee, which met with Director Vera M. Binks on January 15th, left to right, Leverne D. Hudson, Vice-President-elect, I.S.P.E.; Walter Hanson, Vice-President-elect, I.E.C.; Director Vera M. Binks; Frank Edwards, President, I.S.P.E.; and Len Crawford, Chairman of I.S.P.E. Ethics and Practices Committee.

Vera M. Binks of Kewanee is the first woman in Illinois to hold a state cabinet post. As Director of the Department of Registration and Education since 1953, Director Binks has handled this "man-sized" job in a commendable manner. For the first time since the establishment of the Department, Director Binks has gotten the Department in the black instead of operating in the red. One or two phases under the Department's jurisdiction remains in the red, insofar as functional operations are concerned; however, the feat of the overall operation being self-sustaining is commendable and a tribute to the leadership of the lady in charge.

In a conference with Director Binks on January 15th the fiscal and enforcement policies of the Department were discussed with a committee of the Illinois Society of Professional Engineers. The special committee that met with Director Binks was President Frank Edwards, Leonard Crawford, Chairman of the Ethics and Prac-

tices Committee; Leverne D. Hudson, Vice-President Elect; Walter Hanson, I.S.P.E. Member of the Governor's Education Commission, and Larry Goddard, I.S.P.E. Executive-Director. Director Binks pointed out that her proposed budget for the forthcoming biennium is sufficient to add needed personnel in the Department, and particularly for the addition of much needed investigative personnel. Director Binks emphasized that it had long been her desire to have additional investigators capable of uncovering and accumulating evidence sufficient to use in court cases involving the professional acts, and particularly the Professional Engineering Act. She plans to add five or six investigators to the staff of the Department.

Director Binks suggested to the I.S.P.E. group that the Society could be of considerable help to the Department by (1) furnishing preliminary information relative to alleged violations of the Professional Engineer-

ing Act, (2) by individual Members and the Society being willing to sign complaints against parties who do not abide by the law, and (3) by the Society and its individual Members showing an active interest in cases in which action is taken, including visitations and cooperation with the local district attorneys in the various counties of the state. She also suggested that key persons of the Society in different areas of the state be available for investigators from the Department to contact whenever the investigator is working within that area. The Director and the committee agreed that mutual cooperation between the Department and the Society was necessary to assure that the public would be protected from incompetent and unqualified persons who attempt to take advantage of unsuspecting persons.

In carrying on the assignments of her position Director Binks is well qualified with a wealth of experience in legal and administrative capacities.

She was named Director of the Department of Registration and Education by Governor William G. Stratton in January, 1953. Miss Binks is also the third woman in this state to be elected County Judge—having been so honored in 1944. She was re-elected in 1946 and in 1950.

Prior to her election to the Henry County bench, Miss Binks engaged in the general practice of law in Kewanee, during which time she participated in many jury trials, and was considered a specialist in the examination of child witnesses. As judge of the County Court, she ruled on practically all of the juvenile cases arising in the county, as well as guardianships and the adoption of children, and the placement of children in foster homes.

For ten years Miss Binks served as a member of the Advisory Board of the Geneva State Training School for Girls. She was instrumental in the creation of the Social Service Agency of Kewanee and served on that Board from the time of its institution until her election to the bench. During World War II she served as a member of the Governor's Committee on Civil Defense.

Miss Binks was State President of the Business and Professional Women's Club in 1941. She also served as legislative representative for that organization and for several years as its parliamentarian.

Director Binks is ex-officio member of the Board of Trustees of the University of Illinois Retirement System, the Water Resources and Flood Control Board and the Board of Museum Advisors. She is ex-officio member and chairman of the Board of Natural Resources and Conservation, ex-officio member and by appointment of the Governor, chairman of the Board of Vocational Education, and a member of the Governor's Committee for the Refuge Relief Program.

CONSULTANTS AFFECTED BY HIGH COURT DECISION

The U. S. Supreme Court handed down a decision January 12th in the case of Mitchell v. Lublin, McGaughy and Associates, which may have far reaching effects on consultant engineer firms, particularly those who do considerable interstate business.

The action was brought by the Secretary of Labor under Section 17 of the Fair Labor Standards Act to restrain the respondent from violating the record keeping and overtime provisions of the Act. The lower court concluded that the activities of the respondent, an architectural and consulting firm, were local in nature and not within the Act's coverage. The Supreme Court granted certiorari to resolve an apparent conflict with a decision of another Court of Appeals case in a similar case, Mitchell v. Brown Engineering Company.

Mr. Chief Justice Warren delivered the opinion of the Court, which held that the firm of Lublin, McGaughy and Associates was working on construction projects, which the Court determined brought them under coverage of the Fair Labor Standards Act by being engaged in commerce. The test is "whether the work is so directly and vitally related to the functioning of an instrumentality or facility of interstate commerce as to be, in practical effect, a part of it, rather than isolated, local activity." Coverage in the instant case must be determined by that test for, as the parties stipulated below, the draftsmen, fieldmen, clerks and stenographers all worked intimately with the plans and specifications prepared by respondent for the repair and construction of various interstate instrumentalities and facilities including air bases, roads, turnpikes, bus terminals and radio and television installations. In our view, such work is directly and vitally related to the functioning of these facilities because, without the preparation of plans for guidance, the construction could not be effected and the facilities could not function as planned.

By stipulation of the parties it was agreed that the respondent's professional employees—architects and engineers—are exempted from the coverage of the Act. In dissenting opinions Mr. Justice Whittaker and Mr. Justice Stewart agreed with the general principles stated in the Court's opinion, but they were not convinced that the evidence was sufficient to show that the respondent's employees; namely, fieldmen and construction supervisors, were actually "engaged in commerce" within the meaning of the Fair Labor Standards Act.

The N.S.P.E. presented briefs in the case as "a friend of the Court." N.S.P.E. argued that professional services which are primarily architectural, creative, non-standardized, and unique in nature are not goods or an "engagement in Commerce" intended to be covered by Congress in the Fair Labor Standards Act.

— 2,000 —

Dear Fellow Member:

Did you realize that we have increased our Membership over 25 percent?

This is good but the finish is the best part of any race. The time has come to put on the heat. Let's really put on the pressure. We may be exhausted when we cross the tape but it will be well worth it if we attain our goal.

There are five new Chapters to help get the job done now. Interest is running high in the new chapter areas. We welcome these new groups and suggest striking while the iron is hot. You should be able to more than double your charter member number before the year is up.

We urge each member to contribute to our campaign. Concerted effort will permit the realization of our 2,000 new member goal. Don't be a skeptic. Get your member this month.

YOUR MEMBERSHIP COMMITTEE

— 2,000 —

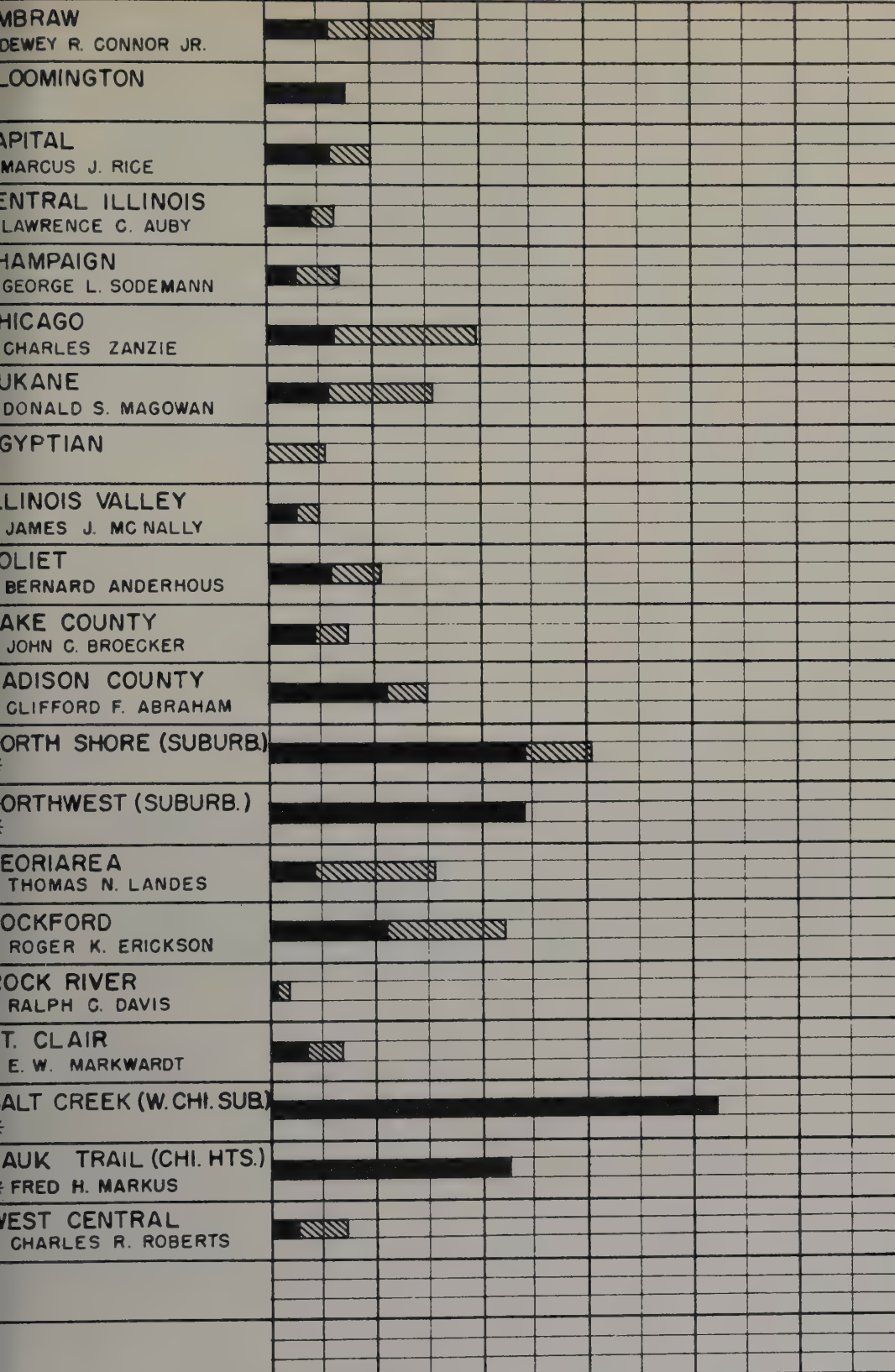


A picturesque view of a portion of the industrial area of Rockford, Illinois. This picture was taken from atop the Faust Hotel, looking southwest. The 74th Annual Convention of I.S.P.E. will make its headquarters in the Faust and Convention visitors will have an opportunity to become better acquainted with the diversified industries which are located in Rockford.

PLAN NOW! ATTEND 74th CONVENTION.

MEMBERSHIP CAMPAIGN PROGRESS

0 20% 40% 60% 80% 100% 120%

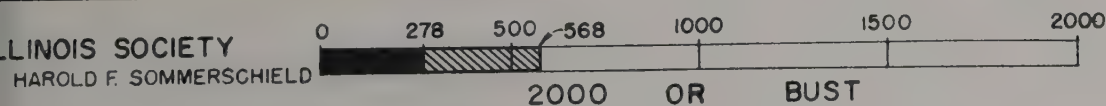


HONOR ROLL

| | |
|---------------|----|
| R. Erickson | 18 |
| C. J. McLean | 7 |
| C. E. Zanzie | 7 |
| Linas Brown | 5 |
| B. Anderhous | 4 |
| E. R. Bolo | 4 |
| R. D. Collins | 4 |
| R. C. Hahn | 4 |

THE FIRST FIVE

| | |
|-------------|------|
| Salt Creek | 84 % |
| North Shore | 60% |
| Northwest | 48% |
| Saulk Trail | 44% |
| Rockford | 43% |



2000 OR BUST

* For Contest Purposes, Percentages on Chapters Organized After April 1958 are Computed on a Basis of 25 Member Starting Base. Percentage of Objective : 28.4 %

Chapter.

Appl'n Recd. _____

Amount Enc. _____

Ref. Written _____

Ref. Recd. 1 _____ 2 _____ 3 _____

Presented to Bd. _____

Elected _____

Notified _____

[10]



At the November Conference of the Illinois Municipal League, the Municipal Engineers and Commissioners of Public Works had a panel discussion on the subject of Special Assessment Financing for Municipal Improvements. Panel members shown above, left to right: Alex Van Praag, Jr., who made remarks on the need for special assessments; panel moderator, Lane Mashaw, City Engineer, Rockford; Secretary of the Public Works Section, Ray Tilly; Chairman of the Public Works Section, I.M.L., Charles Nelson, City Engineer of Springfield; and Byron Matthews, Municipal Attorney of Chicago and legal adviser for the League, remarked on the Elementary Legal Procedure for Initiating a Special Assessment Project.

Alex Van Praag, Jr., President of Warren & Van Praag, Inc., Consulting Engineers, Decatur, Illinois, has been appointed Chairman of the Illinois State Chamber of Commerce Water Resources Committee. He is also a member of the Water Resources Committee of the American Municipal Association. He recently participated in the program of the Illinois Municipal League at its Annual Meeting held in Springfield, Illinois, and addressed the group on the subject, "You and I Have a Stake In Water Resources."

Mr. Van Praag has achieved recognition as an authority on the subject of water resources at the state and national level through his interests and efforts in behalf thereof.

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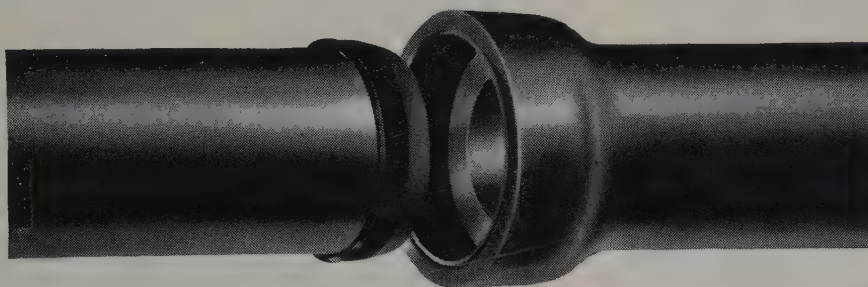
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LEGISLATIVE NOTES

The 86th Congress, less than ten days into its current session, has already had introductions of bills in which engineers were interested last year. Senator Kennedy introduced a new labor reform bill very similar to the Kennedy-Ives Bill presented in the last session. From the advance publicity of this new Kennedy measure apparently the unfavorable section related to employers and unions in the building trades being permitted to sign contracts without an election remains very similar to the provisions in last year's bill. The National Society opposed this particular section because it conceivably would include professional engineers without their sanction. The I.S.P.E. must be prepared to back up N.S.P.E. in a crucial test of this particular Congressional action during the forthcoming weeks and months.

* * * *

Of particular interest to consulting engineers is a bill which has been reintroduced providing for retirement plans for the self-employed. The bill in the 85th Congress was known as the Jenkins-Keogh Bill, but in the new 86th Congress will be referred to as the Keogh-Simpson Bill. Although the Congress is still in its organizational stages, it is not too soon for consulting engineers to begin an intensive mail campaign to inform all Congressmen from the respective states of consultants' interest and position with regard to this legislation providing for retirement plans for the self-employed.

* * * *

In the Illinois State Assembly, Governor Stratton in his State of the State message advocated that the Department of Registration and Education should be placed within another department and no longer be a separate administrative department. When questioned about the matter, Director Binks commented that she could not make any statement as to the merits of the change until such time as specific bills were introduced in the Legislature. The proposed change could vitally affect the professional engineers and other professions in the administration of the various professional acts. The I.S.P.E. will watch the development of this matter and consider whether appropriate action should be taken at a later time.

* * * *

Following the recommendations of the Legislative Committee, the I.S.P.E. Board of Direction voted to instruct the Illinois Engineering Council to draft legislation as follows: To require that all County Superintendents of Highways be registered professional engineers, excepting present or former County Superintendent of Highways and to effect the deletion of the words "former County Surveyors" from the Statute on Plats.

CENTRAL ILLINOIS CHAPTER PROMOTES ENGINEERS' WEEK

Engineers' Week activities will be high-lighted by a banquet sponsored by the Central Illinois Chapter for all engineers and their wives at 6:45 p.m. on February 26th at the Masonic Temple in Decatur.

Rear Admiral Rawson Bennett, Chief of Naval Research, Washington, D. C., and a registered engineer in the State of California, will be the speaker. The office which he heads has been engaged in the development of nuclear submarines, high altitude manned balloon flights, world wide tracking systems for earth satellites, the under-ice explorations of the Arctic, and many other projects contributing to our national security and prestige.



Rear Admiral Rawson Bennett, II, is guest speaker for the Central Illinois Engineers' Week Dinner February 26th. Admiral Bennett is a native of Chicago and a registered professional engineer in California. Admiral Bennett was graduated and commissioned Ensign from the U. S. Naval Academy on June 2, 1927. He has held various routine and special assignments throughout his career as an officer in the Navy. He did post-graduate work at the University of California and received a Master of Science degree in Electrical Engineering in 1936. He has been Chief of Naval Research since January, 1956. Admiral Bennett was awarded the Legion of Merit for exceptionally meritorious conduct. He also has the Yangtze Service Medal; the American Defense Service Medal, Fleet Clasp; American Campaign Medal; World War II Victory Medal; and the National Defense Service Medal.

All members of the A.S.C.E., A.S.M.E., A.I.E.E., and A.I.Ch.E. technical societies in the Central Illinois area and their wives also have been invited to the banquet.

Local publicity for Engineers' Week began with an official proclamation signed by Mayor Clarence Sablotny on January 6th. The proclamation which Mayor Sablotny issued last year was reproduced by N.S.P.E. and distributed nationally in the 1959 Engineers' Week kit.

Arrangements have been made with the newspaper to publish a feature section about the activities and contributions of engineers in all fields and articles about local well known engineers. The organization of the I.E.T.S. in St. Teresa High School to interest students in engineering and science will be announced and their activities will be described.

Spot announcements on Radio Station WSOY, film trips on T.V. Station WTVP, store window displays, school exhibits, and industrial publicity will call the attention of the public to the contributions of the engineers.

A census of engineers is being conducted in the Central Illinois area to point out the contributions of local engineers. Present returns indicate that there are over one thousand graduate engineers in the area.

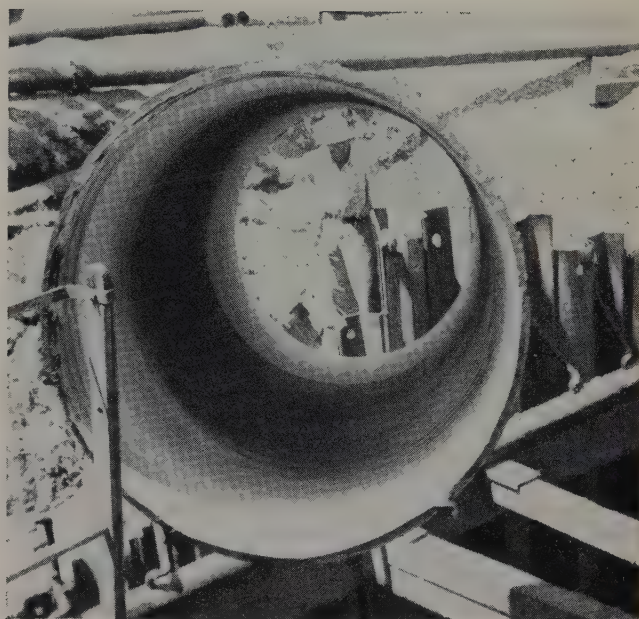
The Ladies' Auxiliary will hold their own special activities in observation of Engineers' Week. They are planning a tea and are inviting the wives of all the professional men in the area.

The Chairman of Engineers' Week is John Housiaux, and his committee members are: Earl Kimmel, Hugh Abfalter, Harlow Piper, Al Brensley, John Castle, Gilbert Henning, and Dean Wurth.



Gilbert Henning, Past President of the Central Illinois Chapter, presents the gavel to newly elected President Robert E. Schwartz.

Armco SMOOTH-FLO Pipe replaces sewer corroded by H₂S



In Sacramento, California, part of a 12-year-old rigid pipe sanitary sewer had been eaten away by hydrogen sulphide gases. The resulting seepage undermined the sewer foundation, causing settling and cracking. To withstand the corrosive gases and to maintain good alignment in the unstable soil, engineers specified Armco SMOOTH-FLO® Sewer Pipe as a replacement.

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WATER WORKS ASSOCIATION OBSERVES 50TH ANNIVERSARY

Governor William G. Stratton has proclaimed 1959 as Water Works Year in Illinois as a tribute to Illinois Water Works personnel on the 50th Anniversary of the organization of water works officials. The proclamation also calls attention to the need for the support of planned water works development by citizens and civic leaders.

It was on February 16, 1909, that the first conference of Illinois water works men was held at the University of Illinois, at the invitation of President Edmund Janes James of the University of Illinois. The meeting was called to order by Dr. Edward Bartow, Director of the Illinois State Water Survey, which at that time was part of the University.

This meeting, attended by 37 water works officials interested in "obtaining and conserving an abundant supply of pure water for domestic use," was the birth of the Illinois Water Supply Association. Five years later, this group affiliated with the American Water Works Association and became the Illinois Section of the parent group.

On March 11, 12, and 13, 1959, the Illinois Section of the American Water Works Association will commemorate its fiftieth anniversary meeting at the Morrison Hotel in Chicago. An outstanding program has been arranged with Dr. Luna B. Leopold of the United States Geological Survey as the lead speaker to be followed by a history of the sanitary quality of the Illinois River by Dr. Emanuel Hurwitz of the Metropolitan Sanitary District of Greater Chicago.

Maxim M. Cohen will discuss the St. Lawrence Seaway and the growth of Illinois and Paul Oppermann's topic will concern the plans of Northeastern Illinois Metropolitan Area Planning Commission.

G. S. Salter and F. G. Gordon have been assigned the design features of the new Chicago Central District filtration plant and L. R. Howson will summarize a fifty year history of costs and water rates.

The results of many years of study on the deep sandstone aquifers in Northeastern Illinois will be told by H. F. Smith and W. C. Walton of the Illinois State Water Survey and Dr. A. M. Buswell will review fifty years progress on knowledge of water substance.

Other topics will include treatment of Lake Michigan water, a history of deep well pump development, water extension policies, public relations and an operators' forum.

PROCLAMATION

WHEREAS, Fifty years ago next February 16, a group of 37 water works officials in Illinois, meeting with the Illinois State Water Survey, by invitation of President Edmund J. James of the University of Illinois, formally prepared and adopted the Constitution of the Illinois Water Supply Association; and

WHEREAS, This Association affiliated with the American Water Works Association as its Illinois Section in 1914; and

WHEREAS, Water works men from Illinois have and are actively and conscientiously engaged in developing and using advanced knowledge relating to water supplies and the conservation of water supplies for public use; and

WHEREAS, These men can be justly proud of their contributions toward the future of Illinois; and

WHEREAS, These efforts and achievements should be a matter of public information for all citizens who enjoy the convenience of pure water at their household tap; and

WHEREAS, It is a matter of public interest for citizens and civic leaders to acquaint themselves with, and support planned water works development for community growth and well-being,

NOW, THEREFORE, I, William G. Stratton, Governor of the State of Illinois, do hereby proclaim the year 1959, as Water Works Year in Illinois, with appreciation to all water works men for their continuing loyal public service, upon this Fiftieth Anniversary date of organization.



Officers of the new Bloomington Area Chapter were elected on January 8th and the chapter charter constitution and bylaws were formally approved by the I.S.P.E. Board on January 10th. Shown, left to right, are Donald Kirby and Gene Moody, members of the Executive Committee; Merl Burgin, Chapter Representative; F. S. Wylie, Jr., President; Lee Rhodes, Vice-President; and Howard Elder, Secretary-Treasurer.

74TH ANNUAL CONVENTION
APRIL 30, MAY 1 and 2
ROCKFORD — FAUST HOTEL

Raymond E. Melampy has been appointed safety engineer for Armco Drainage & Metal Products, Inc., a subsidiary of Armco Steel Corporation.

The announcement was made by M. C. Patton, executive vice president of the company. Armco Drainage manufactures a wide variety of steel products for agriculture and the construction industry in 55 plants spread across the United States and Canada.

Melampy joined Armco in 1940. He held a variety of positions in the sales division and in 1947 transferred to the personal relations department at the company's Middletown, Ohio, works. He moved to the industrial engineering department in 1949, and was made a junior engineering study man in 1951.

In 1953, Melampy returned to the personal relations department as safety advisor. Earlier this year he was assigned to Armco Drainage as safety engineer on a temporary basis.

Melampy holds a degree in industrial management from Miami University and is married and has two children.

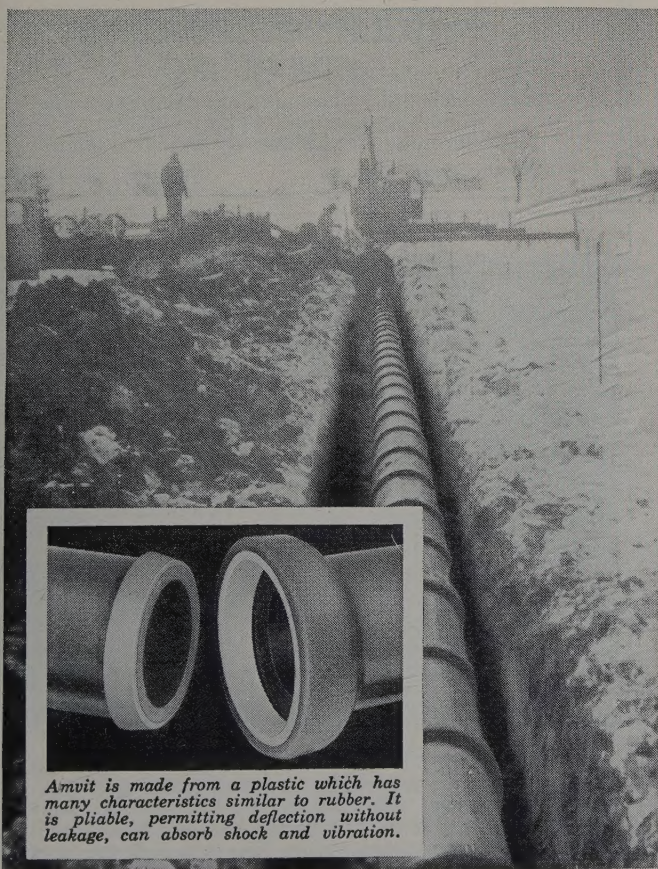


At a recent meeting of the West Central Chapter a constructive discussion was had on the question "What Is Wrong with Our Chapter and Society?". A. D. Spicer was Program Chairman for the discussion. Shown above is Mr. Claude Bates, Secretary-Treasurer of the Chapter; and seated Norman Sauter, President.

74TH ANNUAL CONVENTION

APRIL 30, MAY 1 and 2

ROCKFORD — FAUST HOTEL



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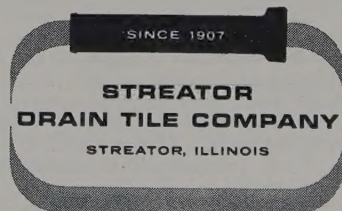
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For more information, see your supplier or write or call Streator Drain Tile Company, Streator, Illinois.



COMING EVENTS

- Illinois Surveyors' Second Annual Conference,
University of Illinois.....Feb. 5, 6, 7
Salt Creek Chapter (West Chicago Suburbs)....Feb. 10
Lake County Chapter Meeting.....Feb. 18
West Central Chapter Meeting.....Feb. 18
Bloomington Area Chapter Charter
Presentation Meeting.....Feb. 19
DuKane Chapter Meeting.....Feb. 19
N.S.P.E. Winter Meeting, Dinkler-Tutwiler
Hotel Birmingham, Ala.....Feb. 19-21
Engineers' Week.....Feb. 22-28
Champaign County Chapter Engineers'
Week Dinner.....Feb. 23
Joliet Chapter Meeting.....Feb. 25
Capital Chapter Engineers' Week Dinner,
Abraham Lincoln Hotel, Dr. R. D.
Clark, McDonald Aircraft Corp., St.
Louis, Mo., Speaker; Subject: "Space
Travel and Related Engineering
Problems"Feb. 26
Central Illinois Chapter Engineers' Week
Dinner - Dance, Masonic Temple,
Admiral Bennett, Speaker.....Feb. 26
Chamber of Commerce—1959 Aircade for
Legislative Action—Chicago.....Feb. 26
St. Louis.....Feb. 27
Chicago Chapter Engineers' Week
Dinner - Dance.....Feb. 27
Capital Chapter Annual Legislative
Dinner, Elk's Club.....Mar. 17
I.S.P.E. 74th Annual Convention,
Rockford.....April 30, May 1 and 2
N.S.P.E. Silver Anniversary Convention,
Hotel Commodore, New York.....June 17-20



The joint committee of the Illinois Association of Highway Engineers and I.S.P.E. met at the LaSalle Hotel in Chicago, January 17th. The committee agreed on a statement of principles to be referred to the respective boards for action. Among the matters discussed were the classifications and pay scales of engineers and technicians in the Highway Department, field construction supervision by consulting engineers, and the need for greater cooperation between the two organizations. Shown, left to right, seated are H. L. Brantley, K. A. Johnsen, R. A. Lonier, H. I. Shively. Standing, left to right, A. H. Ferger, M. E. Amstutz, J. L. Calhoun, F. W. Moore, and Walter Hanson.

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Gene Moody, City Manager of Bloomington, is shown filling out his membership application at a recent organizational meeting. Mr. Moody is believed to be the first City Manager to join during the current Membership Campaign. He was elected to the Executive Committee of the Bloomington Area Chapter.

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Large precast concrete panels, both ribbed and flat, are combined to give the tower its strong and dramatically simple vertical lines. White quartz aggregate, ground smooth, was used to face the panels.

Panels, most of which are 5'6" x 6' x 2", were fastened directly to the structural frame with no back-up needed. The walls are weather-tight, noise- and fire-resistant.

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Consulting and Structural Engineers: Phillips-Carter-Osborn, Inc. and Rhuel A. Andersen, Denver, Colorado
Contractor: Mead & Mount Construction Company, Denver, Colorado

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